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| Year \_\_8\_\_ | **Topic:** **Period:** Spring 2 |
| **Overview of topic:*** Create websites of webpages using HTML and CSS code
* Learn how to use CSS and HTML to write a basic web page with a range of formatting
* Learn the underlying architecture of the internet including DNS and IP address systems
* Understand how to experiment with the code to create new features for a visitor to a webpage to enjoy
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| **Key** **knowledge:*** I can explain how to host a website
* I can use a variety of software programs to produce my work and complete projects from HTML to CSS
* I can collect information and present it using CSS and HTML effectively
* I can design and create content optimised for the online world

I can present information**Key vocabulary:**

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| **Tier 2** | **Tier 3** |
| **Websites****Web Servers****IP address****HTML****DNS****CSS****Tags****Scripts****Head****Body****Layout****File Size** | **DNS server****Scalability****Cloud Computing****Plugin****Debugging****Display resolution****DOM model****Optimisation****Packet routing****Domain register** |

 | **Key skills:** ***Know how to…**** Use computational thinking and creativity to understand and change the world. ALL: Explain webpages are made using code
* MOST: Explain the effects of different code on the functionality and appearance of a webpage
* SOME: Explain how a webpage can incorporate other languages such as Javascript Create an advanced webpage with a variety of effective code
* And investigate new code independently suitable for the architecture of the internet
* Explain how data is shared including:
	+ Location-based data
	+ Transactional data
	+ Cookies
	+ Data exchange between services
* Be able to describe the benefits and drawbacks of using shared data
* Understand the responsible use of data including:
	+ Legal considerations
	+ Privacy
	+ Ethical use
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| **Co-curricular opportunities: *(ASPIRE Day, Careers, clubs, competitions etc)***Links to Minecraft club and similar clubs in school | **Key reading skills taught *(clarify, question, summarise, predict)* and key texts:****Wider Reading Opportunities/Links:**Please see Classnote Books and [www.doddlearn.co.uk](http://www.doddlearn.co.uk) for independent homework and study |
| **How can I use this information at home?*** Conversation starters with your children to discuss their learning
* Support your child in carrying out independent research around the topic
* Visit your local library (or BorrowBox), museums, or other locations to explore the topic
* Promote books/other texts that explore this topic (see reading section)
* Help your child to learn the key vocabulary
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